

## ABSTRACT

A plurality of first base images for a base color are formed in accordance with a predetermined adjustment value. A plurality of first correction images for a correction color to be a subject for correction are formed on the first base images in accordance with a predetermined adjustment value. The first correction images are displaced within a predetermined range. The first adjustment value is determined from changed adjustment values. The second base images for the base color are formed in accordance with the predetermined adjustment value while the second correction images for the correction color are formed in accordance with a plurality of adjustment values determined based on the first adjustment value. One second adjustment value having an extreme is determined from the plurality of adjustment value candidates. These processes are repeated to determine a final adjustment value. The adjustment value for the correction color is corrected to the determined final adjustment value.